WHAT IS CLAIMED IS:

1. A computer-implemented method for managing processors as
 2 system devices, the method comprising:

executing an operating system by one or more first processors included in a group of heterogeneous

5 processors;

loading a device module corresponding to one or more secondary processors included in the group of heterogeneous processors into the operating system;

9 loading an application using the operating system, the 10 application including device-oriented instructions 11 adapted to control the one or more of the secondary

12 processors; and

performing the device-oriented instructions at the one or more of the secondary processors.

- 2. The method of Claim 1, further comprising setting up a device-like access for one or more of the secondary processors, the device-like access being used by the application to access one or more of the secondary processors.
- 3. The method of Claim 2, further comprising creating a configuration file, the configuration file containing a list of one or more of the secondary processors and the corresponding device-like access set up for the one or more secondary processors.

- 4. The method of Claim 3, further comprising determining for
 which of the one or more of the secondary processor the
- 3 application's device-oriented instructions are intended.
- 5. The method of Claim 4, wherein the determining is
 performed using information from the configuration file.
- 1 6. The method of Claim 1, wherein the loading the device
- 2 module facilitates a communication between the
- application and one or more of the secondary processors
- 4 by extending the operating system.
- 7. The method of Claim 1, further comprising translating the
- application's instructions to secondary processor
- instructions using the operating system.
- 8. The method of Claim 1, wherein the performing the device-
- oriented instructions comprises the one or more secondary
- 3 processors processing application-provided data according
- 4 to the application's device-oriented instructions.
- 9. An information handling system comprising:
- a plurality of heterogeneous processors, wherein the
- 3 plurality of heterogeneous processors includes one or
- 4 more first processors and one or more secondary
- 5 processors; and
- a common memory accessible by the plurality of
- 7 heterogeneous processors, wherein:
- 8 the one or more first processors are adapted to:

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file.

10 load a device module corresponding to the one or 11 more secondary processors into the operating system; and 12 13 load an application using the operating system, the application including device-oriented 14 15 instructions adapted to control the one or more 16 secondary processors, and 17 the one or more secondary processors are adapted to 18 perform the device-oriented instructions. 1 10. The information handling system of Claim 9, wherein the one or more first processors are further adapted to set 2 up a device-like access for one or more of the secondary 3 processors, wherein the application uses the device-like 4 5 access to access one or more of the secondary processors. 11. The information handling system of Claim 10, wherein the 1 2 one or more first processors are further adapted to create a configuration file, the configuration file 3 4 containing a list of one or more of the secondary 5 processors and the corresponding device-like access set 6 up for the one or more secondary processors. 1 12. The information handling system of Claim 11, wherein the 2 one or more first processors are further adapted to 3 determine for which one of the secondary processors the application's device-oriented instructions are intended. 4 1 13. The information handling system of Claim 12, wherein the 2 one or more first processors are adapted to perform the 3 determining by using information from the configuration

- 1 14. The information handling system of Claim 9, wherein the 2 one or more first processors are adapted to load the 3 device module to facilitate a communication between the 4 application and one or more of the secondary processors
- 5 by extending the operating system.
- 1 15. The information handling system of Claim 9, wherein the
 2 one or more first processors are adapted to facilitate a
 3 communication between the application and one or more of
 4 the secondary processors device-oriented instructions by
 5 translating the application's instructions to secondary
 6 processor's instructions.
- 1 16. The information handling system of Claim 9, wherein the
 2 one or more secondary processors are adapted to perform
 3 the instructions by the one or more secondary processors
 4 processing application-provided data according to the
 5 application's device-oriented instructions.
- 1 17. A computer program product on computer operable media, 2 the computer program product comprising:
- means for executing an operating system by one or more first processors included in a group of heterogeneous processors;
- means for loading a device module corresponding to one or more secondary processors into the operating system, wherein the secondary processors are included in the group of heterogeneous processors;

- means for executing an application, the application including device-oriented instructions adapted to control the one or more of the secondary processors;
- and
- means for performing the device-oriented instructions at the one or more of the secondary processors.
 - 1 18. The computer program product of Claim 17, further
 2 comprising means for setting up a device-like access for
 3 one or more of the secondary processors, the device-like
 4 access being used by the application to access one or
 5 more of the secondary processors.
- 19. The computer program product of Claim 18, further
 comprising means for creating a configuration file, the
 configuration file containing a list of one or more of
 the secondary processors and the corresponding devicelike access determined for the one or more secondary
 processors.
- 20. The computer program product of Claim 19, further
 comprising means for determining for which of the one or
 more of the secondary processor the application's deviceoriented instructions are intended.
- 21. The computer program product of Claim 20, wherein the means for determining uses information from the configuration file.

- 1 22. The computer program product of Claim 17, wherein the
- 2 means for loading the device module facilitates a
- 3 communication between the application and one or more of
- 4 the secondary processors.
- 1 23. The computer program product of Claim 17, further
- 2 comprising means for translating the application's
- instructions to secondary processor instructions.
- 1 24. The computer program product of Claim 17, wherein the
- 2 means for performing the instructions comprises means for
- 3 processing application-provided data according to the
- 4 application's device-oriented instructions.